

I.) The species of a first embodiment (Fig. 4), drawn to a method of forming an array substrate comprising the steps of: forming a second insulating layer over an entire surface of the substrate to cover the thin film transistor (Fig. 4B); forming a black matrix 126 on the second insulating layer to cover the thin film transistor, the gate line, and the data line except a first portion of the drain electrode (Fig. 4C); forming a third insulating layer 130 over an entire surface of the substrate to cover the black matrix (Fig. 4D); coating an adhesive color film 140 on the first transparent electrode layer, the adhesive color film having a color resin on a surface facing the first transparent electrode layer (Fig. 4F); irradiating a laser to portions of the adhesive color film corresponding to the pixel region (Fig. 4F); removing the adhesive color film after irradiating the laser to form a color film within the pixel region wherein the laser is irradiated (Fig. 4F); repeating coating the adhesive color film, irradiating the laser and removing the adhesive color film to form the color film within all of the pixel regions; or

II.) The species of a second embodiment (Fig. 7), drawn to a method forming an array substrate comprising the steps of: forming a second insulating layer over an entire surface of the substrate to cover the black matrix; forming a first transparent electrode layer over an entire surface of the substrate to cover the patterned second insulating layer and contacting the exposed first portion of the drain electrode; and dropping a liquid-type color resin onto the first transparent electrode layer within the pixel region to form a color filter within the pixel region (Fig. 7).

The Election

In response to the Requirement for Election, Applicants hereby elect the species of Group I of a first embodiment (Fig. 4) (i.e., Claims 1-17), drawn to a method of forming an array substrate.

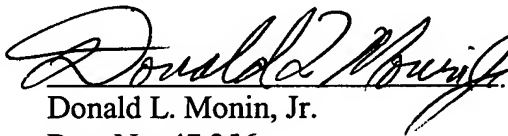
Conclusion

Applicants await a speedy Office Action on the merits. Should the Examiner feel that there are any issues outstanding after consideration of this response, the Examiner is invited to contact Applicant's undersigned representative to expedite prosecution.

If there are any other fees due in connection with the filing of this response, please charge the fees to our Deposit Account No. 08-1641. If a fee is required for an extension of time under 37 C.F.R. 1.136 not accounted for above, such an extension is requested and the fee should also be charged to our Deposit Account.

Respectfully submitted,

June 13, 2005
Date


Donald L. Monin, Jr.
Reg. No. 47,256

Customer ID No. 26633
HELLER EHRMAN WHITE & McAULIFFE
1717 Rhode Island Ave., N.W.
Washington, DC 20036
(202) 912-2000 (telephone)
(202) 912-2020 (telecopier)